

**Method and device for displaying input options****Publication number:** DE19932776**Publication date:** 2001-01-25**Inventor:** LILIENTHAL JOERG (DE)**Applicant:** VOLKSWAGEN AG (DE)**Classification:****- international:** *B60K35/00; B60K37/06; G06F3/033; B60K35/00; B60K37/04; G06F3/033; (IPC1-7): G06F3/02; B60R16/02; G06F3/033; G09G3/00***- european:** B60K35/00; B60K37/06; G06F3/033D2**Application number:** DE19991032776 19990714**Priority number(s):** DE19991032776 19990714**Also published as:**

EP1069496 (A2)

EP1069496 (A3)

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Abstract not available for DE19932776

Abstract of corresponding document: **EP1069496**

Operating procedure for a controller (4) with a display (2) and input devices (3, 9) for menu or function selection. The controller detects a number of inputs or adjustments based on combinations of inputs or input durations and deduces a preference from the inputs and adjusts operating structure or selection list appropriately. An Independent claim is made for a multi-function controller device for selection of a preference from a large number of choices.

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**Character-by-character input device for vehicle navigation system, has display unit that shows selected symbols such that display sequence of selected symbols is based on frequency distribution**

**Publication number:** DE10018195

**Publication date:** 2001-10-25

**Inventor:** HEWERER JENS (DE)

**Applicant:** BAYERISCHE MOTOREN WERKE AG (DE)

**Classification:**

**- international:** **G01C21/36; G06F3/023; G01C21/34; G06F3/023;** (IPC1-7):  
G01C21/36; G06F3/02

**- european:** G01C21/36; G06F3/023M6

**Application number:** DE20001018195 20000412

**Priority number(s):** DE20001018195 20000412

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**Abstract of DE10018195**

The device enables the manual input of the selected symbols of a target object. A display unit is used to display the selected symbols. The display sequence of the selected symbols is based on the frequency distribution. An Independent claim is also included for a character by character input method.

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**Method for selecting a designation from a predefined list****Publication number:** EP1061714**Publication date:** 2000-12-20**Inventor:** HANEBRINK THOMAS (DE)**Applicant:** NOKIA MOBILE PHONES LTD (FI)**Classification:****- international:** **G01C21/36; G06F3/023; H04M1/2745; G01C21/34; G06F3/023; H04M1/274;** (IPC1-7): H04M1/274; G06F3/023**- european:** G01C21/36; G06F3/023M6; G06F3/023M8; H04M1/2745M**Application number:** EP20000112243 20000607**Priority number(s):** DE19991027280 19990615**Also published as:**

EP1061714 (A3)



DE19927280 (A1)



EP1061714 (B1)

**Cited documents:**

EP0789224



EP0901262



EP0679003

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The method involves using a character input mode in which a complete list of characters is displayed. Only those characters can be input that supplement an already input character sequence that is a component of at least one of the items on the list of items to be selected. A warning sound is generated if the user selects a character from the character list that cannot be input. After input of each character, the number of items whose first letters correspond to the character sequence input may be calculated, and the mode is changed to a list selection mode accordingly.

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